

What is claimed is:

1. An electrode of an electrochemical battery comprising:
an electrode catalyst; and
5 a catalyst holding body for holding and confining the electrode catalyst by
being entangled with the electrode catalyst.
2. The electrode of claim 1, wherein the electrode catalyst has a
granule type.
- 10 3. The electrode of claim 1, wherein the electrode catalyst has a
filament form.
4. The electrode of claim 1, wherein the electrode catalyst is formed
15 as an aggregation of fine fibers.
5. The electrode of 1, wherein a surface of the electrode catalyst is
coated with nickel.
- 20 6. The electrode of claim 1, wherein the electrode catalyst is metal
halide.
7. The electrode of claim 1, wherein the electrode catalyst is
hydrogen storage alloy.

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8. The electrode of claim 1, wherein the catalyst holding body is an aggregation of fibers made of a conductive metal material.

9. The electrode of claim 8, wherein the fiber has a length of 10 ~
5 10,000 μ m.

10. The electrode of claim 8, wherein the fiber has a diameter of 1 ~
100 μ m.

10 11. The electrode of claim 1, wherein the catalyst holding body is
nickel or nickel alloy.

12. The electrode of claim 1, wherein the catalyst holding body
contains fluoro polymer.

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13. The electrode of claim 10, wherein the fluoro polymer is PTFE.

14. An electrode of an electrochemical battery comprising:

an electrode catalyst in a power form; and

20 a catalyst holding body formed as a thin plate, having a fiber tissue
entangled with the electrode catalyst, and holding and confining the electrode
catalyst therein.

15. The electrode of claim 14, wherein the fiber of the fiber tissue has
25 a length of 10~10,000 μ m and a diameter of 1~100 μ m.

16. An electrode of an electrochemical battery comprising:
an electrode catalyst in a power form; and
a catalyst holding body formed as a thin plate having a porous tissue, and
5 holding and confining the electrode catalyst therein.

17. The electrode of claim 16, wherein the porous tissue is formed as
one line.

10 18. An electrode of an electrochemical battery comprising:
a multi-type catalyst holding body formed as two thin plates each having a
fiber tissue are attached to each other; and
a power type electrode catalyst confined between the two thin plates.

15 19. The electrode of claim 18, wherein the multi-type catalyst holding
body has a wave form.

20. An electrochemical battery having the electrode of claim 1.

20 21. A method for fabricating an electrode of electrochemical battery
comprising:
a first step of fabricating a catalyst holding body having fine spaces; and
a second step of holding and confining an electrode catalyst in the catalyst
holding body, the catalyst holding body and the power type electrode catalyst
25 being entangled with each other.

22. The method of claim 21, wherein the second step comprises:
spraying liquid particles containing the electrode catalyst to the catalyst
holding body;

5 drying the liquid particle-sprayed catalyst holding body; and
compressing the dried catalyst holding body.

23. The method of claim 21, wherein the second step comprises:
dissolving the power type electrode catalyst in a solution;
10 soaking the catalyst holding body in the electrode catalyst-dissolved
solution;
taking out the catalyst holding body and drying it; and
compressing the dried catalyst holding body.

15 24. A method for fabricating an electrode of an electrochemical battery
comprising:

fabricating a thin plate-type catalyst holding body having a fiber tissue;
depositing a power-type electrode catalyst at one surface of the catalyst
holding body to form an electrode catalyst layer; and
20 attaching two electrode catalyst layer-formed catalyst holding bodies to
each other in such a manner that the electrode catalyst layers contact with each
other.

25 25. The method of claim 24, wherein the two electrode catalyst layer-
formed catalyst holding bodies are attached by compressing.

26. The method of claim 24 further comprising:

bending the two catalyst holding bodies as attached in a wave form.

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27. (cancelled)

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29. (cancelled)

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31. (cancelled)

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32. (cancelled)

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